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FILE 'HOME' ENTERED AT 14:57:48 ON 06 JAN 2006

=> file biosis caplus caba agricola

=> s (plastid or chloroplast) and transform?
L1        4658 (PLASTID OR CHLOROPLAST) AND TRANSFORM?

=> s l1 and lethal and non-lethal
L2           3 L1 AND LETHAL AND NON-LETHAL

=> s l1 and select?
L3         739 L1 AND SELECT?

=> s 3 and marker
L4       94652 3 AND MARKER

=> s l3 and marker
L5         279 L3 AND MARKER

=> s l5 and (ppo or butafenacil)
L6           2 L5 AND (PPO OR BUTAFENACIL)

=> d ti 1-2

L6   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Methods and vectors for plant and algae plastid
     transformation using dual selection phases

L6   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Construction of chimeric gene containing Arabidopsis thaliana
     plastid clpP and psbB gene promoters linked to genes (PPO
     , hemG or hemY) encoding resistance to herbicides, and their use in
     transforming plants


=> d bib abs 1 2

L6   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2004:355041  CAPLUS
DN   140:369912
TI   Methods and vectors for plant and algae plastid
     transformation using dual selection phases
IN   Boudreau, Eric; Gu, Weining; De Framond, Anic; Heifetz, Peter
PA   Syngenta Participations A.-G., Switz.
SO   PCT Int. Appl., 79 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   WO 2004035734        A2    20040429    WO 2003-US31941        20031007
     WO 2004035734        A3    20050217
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NI, NO, NZ, OM, PG,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
             TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
             KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     US 2004133937        A1    20040708    US 2003-680824         20031007
     EP 1554387           A2    20050720    EP 2003-774694         20031007
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         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PRAI US 2002-418596P      P     20021015
     WO 2003-US31941      W     20031007
AB   The invention relates to methods and vectors for plant and algae
     plastid transformation.  The method includes two phases
     of selection with first selection phase using a
     non-lethal compound and a second selection phase using a lethal
     compound

L6   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2001:78510  CAPLUS
DN   134:142741
TI   Construction of chimeric gene containing Arabidopsis thaliana
     plastid clpP and psbB gene promoters linked to genes (PPO
     , hemG or hemY) encoding resistance to herbicides, and their use in
     transforming plants
IN   Heifetz, Peter Bernard; Cox, Kevin
PA   Syngenta Participations A.-G., Switz.
SO   PCT Int. Appl., 38 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.         DATE
     ---------------     ----   --------    --------------------    --------
PI   WO 2001007590        A2    20010201    WO 2000-EP7118          20000725
     WO 2001007590        A3    20010726
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
             CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
     AU 2000062776        A5    20010213    AU 2000-62776           20000725
PRAI US 1999-361812       A     19990727
     WO 2000-EP7118       W     20000725
AB   The invention provides for a chimeric gene containing a plastid
     nucleic acid sequence, which encodes an intergenic region between two
     different plastid genes, linked at the 5' and 3' end to
     sequences encoding a selectable marker gene.  The
     invention relates that the sequences linked at the 5' and 3' end of the
     plastid sequence are genes which confer herbicide resistance to a
     plant.  The invention also relates that the plastid nucleic acid
     sequence is capable of directing the expression of the two marker
     genes in divergent orientation, using a plastid- or
     nuclear-encoded RNA polymerase.  The invention specifically looks at a
     chimeric gene composed of Arabidopsis thaliana clpP and psbB gene
     promoters linked at the 5' and 3' end to Arabidopsis protoporphyrinogen-
     oxidizing enzyme (PPO), Escherichia coli hemG or Bacillus
     subtilis hemY genes.  The invention also provides a plant
     transformation vector and/or plastid containing said
     chimeric gene.  The invention further provides for the recombinant
     expression of the proteins encoded by the marker genes.
     Finally, the invention provides the DNA sequence of A. thaliana
     plastid gene clpP gene promoter region.  In the example section,
     the invention presented the preparation of various tobacco chloroplast
     transformation vectors containing the said promoters and herbicide
     resistance genes.


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STN INTERNATIONAL SESSION SUSPENDED AT 15:04:19 ON 06 JAN 2006
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	3	"200107590"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/06 15:02
L3	1798	(PLASTID OR CHLOROPLAST) same TRANSFORM$	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/06 15:02
L4	44	l3 and (LETHAL same NON-LETHAL)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/01/06 15:02